

Notice of Allowability

Application No.

10/029,645

Applicant(s)

RAMASWAMY ET AL.

Examiner

Janelle N. Young

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Arguments/Remarks filed on 07/17/2007.
2. ☒ The allowed claim(s) is/are 1,3-10 and 21-30.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|--|---|
| 1. <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ | 7. <input type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |

DETAILED ACTION

Allowable Subject Matter

1. Claims 1, 3-10, and 21-30 are allowed over the prior art of record.
2. The following is an examiner's statement of reasons for allowance: the examiner agrees with applicant's arguments/remarks on pages 6-11 because the prior art of record fails to disclose " a first connection to a first antenna, said first antenna operative to receive a first RF signal from a first satellite and to transmit a third RF signal to said first satellite and a second connection to a second antenna, said second antenna operative to receive a second RF signal from a first satellite and to transmit said third RF signal to said second satellite." There is no indication in Luly et al., Langston et al., and/or Krasner that "said first down-converted signal, said second down-converted signal, and said third RF signal are present at said third connection to said signal processor simultaneously;" as substantially described in independent claims 1 & 21. These limitations, in combination with the remaining limitation in claim 1 are not taught nor suggested by the prior art of record.
3. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

4. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Luly et al. (US Pub 2002/0140617) teaches a multi-band reflector antenna has a main reflector defining a prime focus and a frequency selective surface (FSS) sub-reflector defining an image focus. One or more transmitter or receiver feeds are provided at each of the prime focus and image focus. In one application as a ground satellite terminal, the antenna supports Ka-band two-way broadband Internet access bundled with multi-satellite Ku-band direct broadcast television service (DBS).

Langston et al. (US Patent 6272351) teaches a wireless communication system (100) is disclosed in which a central office (102) generates a signal. A first base station (104) receives the central office signal and transmits a first broadcast signal in a first frequency range in response to the central office signal. A second base station (124) receives the first broadcast signal and transmits a second broadcast signal in a second frequency range in response to the first broadcast signal. A third base station (134) receives the second broadcast signal and transmits a third broadcast signal in the first frequency range in response to the second broadcast signal. In accordance with the present invention, a plurality of base stations are each able to provide one-way or two-way communication to a plurality of customers (110, 130, 140), with only one base station (104) receiving signals directly from the central office (102).

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Krasner (US Patent 5825327) discloses a GPS receiver having multiple GPS antennas. Also described is a method of tracking employing the GPS receiver and a communication transmitter. Also described is a garment having a GPS receiver, a GPS antenna, a communication antenna, and a communication transmitter.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Janelle N. Young whose telephone number is (571) 272-2836. The examiner can normally be reached on Monday through Friday: 8:30 am through 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on (571) 272-7882. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

JNY

September 14, 2007


NAY MAUNG
SUPERVISORY PATENT EXAMINER